

Applicants : John P. Kane and Karl D. Sachs
Original Patent No. : 6,502,618
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moveable with respect to one another to bring an appropriate one of the at least two concentric seals selectively into sealing engagement with a side wall of the tire depending on the size of the tire to be inflated on the rim;

a reciprocation assembly (78) coupled with at least one of said seals comprising a member (80) adapted to move at least one seal with respect to the other seal for selectively presenting one of the at least two concentric seals in operable position for engaging a side wall of the tire to be inflated depending on the size of the tire to be inflated on the rim;

a tire transport conveyor (12) adapted to transport a tire mounted on a rim to a predetermined position at a tire inflating workstation, said tire transport conveyor engaging the tire and rim for transport and being moveable along the path of travel and moveable vertically between a raised transport position and a lowered transfer position; and

a support surface (24) at the tire inflating workstation, the support surface having at least two portions (24a, 24b), at least one portion of the support surface being moveable transversely with respect to the path of travel of the conveyor for allowing transfer of the tire and rim transported by the conveyor (12) to the support surface as the conveyor moves between the raised transport position and the lowered transport position.

56 (new): An apparatus for inflating a tire mounted on a rim comprising:

a reciprocal inflation head (68) movable from a first position spaced from the tire to a second position engagable with a side wall of the tire for communicating pressurized fluid to inflate the tire on the rim, the head having at least two concentric seals (70, 72) selectively moveable with respect to one another to independently bring each one of the at least two concentric seals selectively into sealing engagement with a side wall of the tire depending on the size of the tire to be inflated on the rim; and

a reciprocation assembly (78) coupled with at least one of said seals, said reciprocation assembly being configured to move at least one seal with respect to the other seal for selectively presenting an appropriate one of the at least two concentric seals in operable position for engaging a side wall of the tire to be inflated depending on the size of the tire to be inflated on the rim.

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Entry of the newly added claims 55 and 56 is respectfully requested.

Respectfully submitted,

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